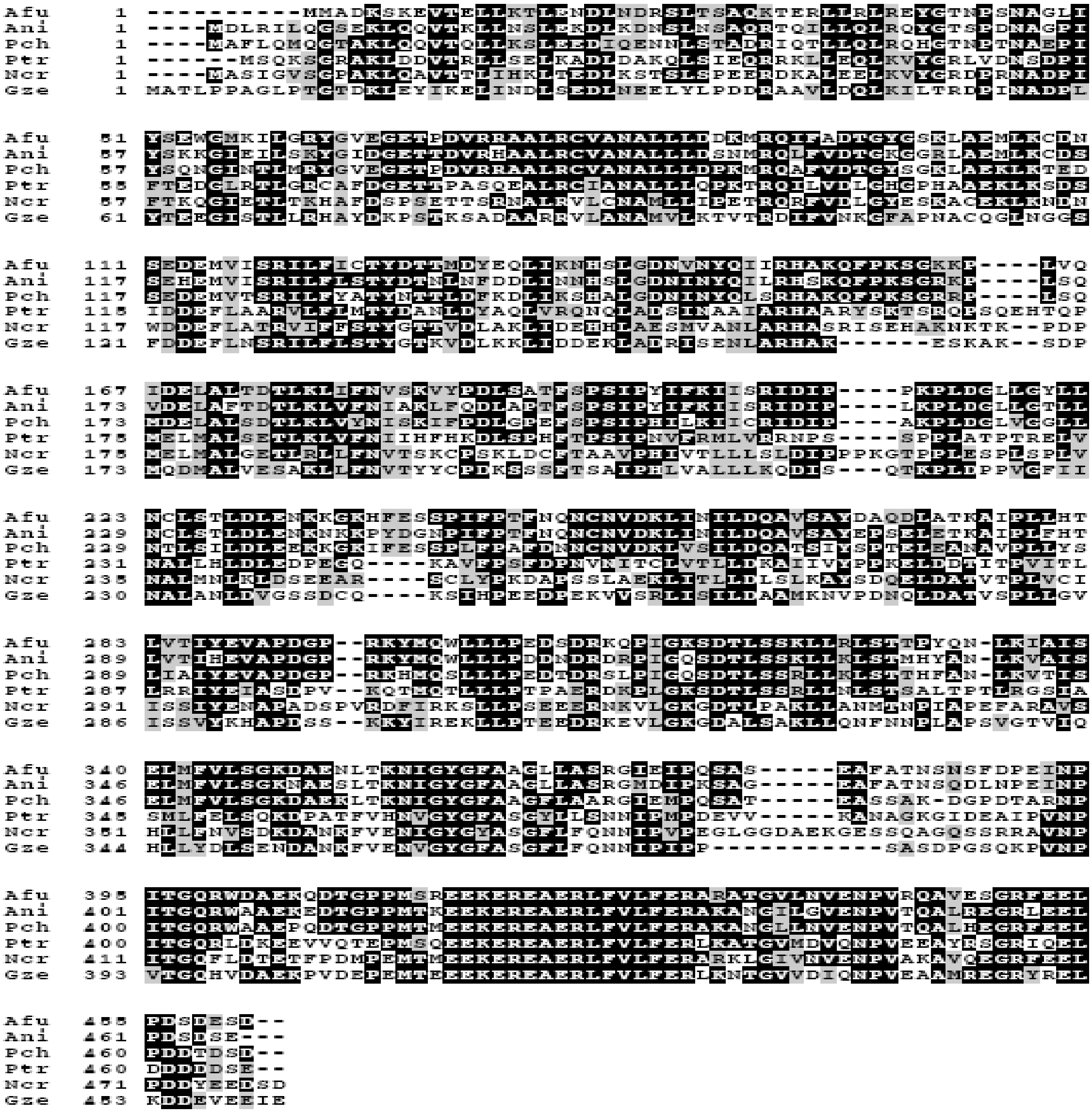

FIG S1 Alignment of RicA-like proteins in *A. fumigatus* (Afu), *A. nidulans* (Ani), *Penicillium chrysogenum* (Pch), *Pyrenophora tritici* (Ptr), *Neurospora crassa* (Ncr) and *Gibberella zeae* (Gze). ClustalW (http://align.genome.jp/) and BoxShade 3.21 (http://www.ch.embnet.org/software/BOX_form.html) were used for the alignment and presentation**.**

Table S1. Oligonucleotides used in this study

Name	SEQUENCE (5’→3’)	Purpose
oNK-393	ATATGAATTCATGGATTTGCGTATTCTGCAGGGC	5’ An*ricA* with *Eco*RI
oNK-394	ATATGCGGCCGCTTCACTATCAGAGTCAGGCAACTC	3’ An*ricA* with *Not*I
oNK-521	ATATGGATCCTTATTCACTATCAGAGTCAGGCAAC	3’ An*ricA* with *Bam*HI
oNK-507	ATATGGATCCTAATGGGTTGTGGAATGAGTACCGAG	5’ An*fadA* with *Bam*HI
oNK-508	ATATCTCGAGTTAAATCAGACCACAGAGTCTCAG	3’ An*fadA* with *Xho*I
oNK-509	ATATGGATCCTAATGGGTTGTATGAGCTCAAAGCAG	5’ An*ganA* with *Bam*HI
oNK-510	ATATCTCGAGTTAGAGTATGAGCGTGTGGAGATTC	3' An*ganA* with *Xho*I
oNK-511	ATATGAATTCATGGGGTCGTGTTTCAGTTCAGAA	5’ An*ganB* with *Eco*RI
oNK-512	ATATGTCGACTTACAGGATCCCCGAGTCTTTCAA	5’ An*ganB* with *Sal*I
oNK-352	TAGTGCTTGGATGACAAGGTTTGT	5’ flanking region of An*ricA*
oNK-353	GCTTTGGCCTGTATCATGACTTCA AGAATACGCAAATCCATATTCACTC	3’ An*ricA* with Af*pyrG* tail
oNK-354	ATCGACCGAACCTAGGTAGGGTA AGAGCATCTATGGCAGAACATGAG	5’ An*ricA* with Af*pyrG* tail
oNK-355	ACCTACATACTGCGTATGTCTGCTG	3’ flanking region of An*ricA*
oNK-474	ACTTCTGCAGTCGGAATTGGCCTG AGAATACGCAAATCCATATTCACTC	3’ An*ricA* with An*pyroA* tail
oNK-475	TGGTGAGAACACATGCACAACTTG AGAGCATCTATGGCAGAACATGAG	5’ An*ricA* with An*pyroA* tail
oNK-356	TGGATGAACTCTGCAATCAGGCTC	5’ nested of An*ricA*
oNK-357	ATGCTTGCGTAAACCAAGCAAGTC	3’ nested of An*ricA*
oNK-397	AACGCAACGCAAAGGATAGCGAGC	5’ flanking region of An*sfgA*
oNK-398	ACTTCTGCAGTCGGAATTGGCCTG AGAGAAAGATCGACGGTGGGAGAG	3’ An*sfgA* with An*pyroA* tail
oNK-399	TGGTGAGAACACATGCACAACTTG TTGACCGGACCATACACCTCGCAC	5’ An*sfgA* with An*pyroA* tail
oNK-400	AGCAGACGTTCACTCAGAGCCACC	3’ flanking region of An*sfgA*
oNK-401	AATTTGGTAGTTGCGCCTACGGC	5’ nested of An*sfgA*
oNK-402	GTCGCAGAGGCGTAGCTCTACAG	3’ nested of An*sfgA*
oNK-412	TCACATCTCGATGATTGGTTGAATG	5’ flanking region of An*flbA*
oNK-413	ACTTCTGCAGTCGGAATTGGCCTG TGGCATTGAAGAGTGCAGGTCGGAG	3’ An*flbA* with An*pyroA* tail
oNK-414	TGGTGAGAACACATGCACAACTTG ACAGTAATTATCTACACGCGTGATG	5’ An*flbA* with An*pyroA* tail
oNK-415	ACTACTCACTACCTAACTTGACTG	3’ flanking region of An*flbA*
oNK-416	TGGTTGAATGGTGTATGGGTCAGC	5’ nested of An*flbA*
oNK-417	TGTAGCTTTCGTTCAGGCGATAGTG	3’ nested of An*flbA*
oNK-870	ATATGGATCCTGCTTGGATGACAAGGTTTGTATCC	5’ ge-An*ricA* with *Bam*HI
oNK-871	ATATGCGGCCGCACCTACATACTGCGTATGTCTGCTG	3’ ge-An*ricA* with *Not*I
oJH-83	GGATGTATCGTGACTGGCCTTCGG	5' Af*pyrG* marker
oJH-86	TAATTCGCGGCATACGGTGTCTAA	3' Af*pyrG* marker

oNK-395	ATCTCATGGGTGCTGTGCGAAAGG	5' An*pyroA* marker
oNK-396	TTGCATCGCATAGCATTGCATTGC	3' An*pyroA* marker
oNK-432	AGCGTCGGCTCGTCGCTCTCTCA	5’ flanking region of An*ganB*
oNK-433	CTGCGCAGGCCGCCAACATCAAACATGCTGT	3’ An*ganB*$^{\mathrm{Q208L}}$
oNK-434	GCGGCCTGCGCAGCGAGAGGAAAAAGTGGATTC	5’ An*ganB*$^{\mathrm{Q208L}}$
oNK-435	TGACCACTCCGGCACTGGCATATG	3’ flanking region of An*ganB*
oNK-436	ATATCCCGGGTCTTGCTCCGCAATCTGTATCCTG	5’ nested of An*ganB* with *Sma*I
oNK-437	ATATGCGGCCGCTCGAATACCTGCCGGAACCTGC	3’ nested of An*ganB* with *Not*I
oNK-540	TGTTCCTGGATGATAGTCTTCTAG	5’ flanking region of An*rgsA*
oNK-541	ACTTCTGCAGTCGGAATTGGCCTG TTGACTGAACGTATCTTAAGAGTG	3’ An*rgsA* with An*pyroA* tail
oNK-542	TGGTGAGAACACATGCACAACTTG ACGTCGTGGCACAATCTTCCGGTG	5’ An*rgsA* with An*pyroA* tail
oNK-543	AGCTCCAATACACTGCATGTGGAG	3’ flanking region of An*rgsA*
oNK-544	TGTCGCCGACCACTACTACTACC	5’ nested of An*rgsA*
oNK-545	TTGAACTATCTTAACGAGGGTGAC	3’ nested of An*rgsA*
oNK-562	TCATGTGCATTATGGAGCGTATTAG	5’ flanking region of An*rgsB*
oNK-563	ACTTCTGCAGTCGGAATTGGCCTG TGCTCTAGCAAGCTCGTGATGTTG	3’ An*rgsB* with An*pyroA* tail
oNK-564	TGGTGAGAACACATGCACAACTTG TGCCTTGAATCAGCATACAATCCAC	5’ An*rgsB* with An*pyroA* tail
oNK-567	ACCTAGCTCTCTTCCAACGATGATC	3’ flanking region of An*rgsB*
oNK-605	TCTATTCAAGTTCTCAAACTGCATC	5’ nested of An*rgsB*
oNK-606	AGCCCGCTGTGGCTCCGTAATCTC	3’ nested of An*rgsB*
oNK-568	ACATGCTTGACAAGACGAGAACTG	5’ flanking region of An*rgsC*
oNK-569	ACTTCTGCAGTCGGAATTGGCCTG TCCTCACCAAATCATATGCACAGC	3’ An*rgsC* with An*pyroA* tail
oNK-603	TGGTGAGAACACATGCACAACTTG ACTGTGAGTATGCTGCTTTTTATG	5’ An*rgsC* with An*pyroA* tail
oNK-604	TACCTCGCTGGCTTCGAGTGGGAC	3’ flanking region of An*rgsC*
oNK-607	TCAAGAGCCTGCTGGTAGATATGG	5’ nested of An*rgsC*
oNK-608	AGAGTGCTGGACACGTCTCATTGT	3’ nested of An*rgsC*
oNK-14	ATATGAATTCATGAGTGCGGCGAACTATCCAG	5’ An*vosA* probe
oNK-15	ATATGTCGACTCACCGAGGAGTTCCGTTCGCTG	3’ An*vosA* probe
oNK-554	ATATAAGCTTATGGCCACTCTCTCTTCACTCCGTC	5’ An*fluG* with *Hind*III
oNK-555	ATATGCGGCCGCATACCTCTCCACAAGCCACTTCCTG	3' An*fluG* with *Not*I
oNK-556	ATATAAGCTTATGCGAAATCAGTCCAGCCTGTCC	5’ An*brlA* with *Hind*III
oNK-557	ATATGCGGCCGCTTCATCCCAGCCGTCCAGGCTCAT	3' An*brlA* with *Not*I
oNK-875	ATATCATATGCCTACTCTAGGAGGTCTTTTGAAG	5’ An*pkaA* with *Nde*I
oNK-561	ATATGCGGCCGCGAAATCGGGGAACAGGTGACCGTG	3’ An*pkaA* with *Not*I
oNK-391	ATATGAATTCATGAAAATACTGGGTAGATACGGAG	5’ Af*ricA* with *Eco*RI
oNK-392	ATATGCGGCCGCCCTCTCAAAAAGCACGAATAACCTC	3’ Af*ricA* with *Not*I

oNK-358	TGGCGATATGGTCAAGCTACAAGG	5’ flanking region of Af*ricA*
oNK-359	TTTGTAGGCTTTGGGCTGTTCACAA TGTGAGAGTCAGGACATACGCATC	3’ Af*ricA* with An*pyrG* tail
oNK-360	CTGATCTACCCCTTGGAACGCAGCA TGAGAGGTAAGACAAAGTTCCTAC	5’ Af*ricA* with An*pyrG* tail
oNK-361	ACACCAGGACTGACTCTGAGTATG	3’ flanking region of Af*ricA*
oNK-933	AGTCAAATGAGGCCTCTAAACTGGTCA ATCATCGAGGCATACCTGCCATC	3’ Af*ricA* with An*argB* tail
oNK-934	AGCCAAGGTAGATCCAGGCCTAACACA ACAACACCTTGGAGCTATCAGTC	5’ Af*ricA* with An*argB* tail
oNK-362	CAGGCCAAGCTGAACATGCGAATG	5’ nested of Af*ricA*
oNK-363	AGTTGTAGTCGCTAATCTTCTTCTC	3’ nested of Af*ricA*
oBS-08	GCAATGTAAAGCTAACGTGCGTG	5' An*pyrG* marker
oBS-09	TGCCTTTAAGCTTCGGGTAGAG	3' An*pyrG* marker
oNK-104	ACACTTCAAAGGAGCGACGCTGTTG	5' An*argB* marker
oNK-105	TCGACCTACAGCCATTGCGAAACCTC	3' An*argB* marker
oNK-868	ATATGGATCCTGGCGATATGGTCAAGCTACAAGG	5’ ge-Af*ricA* with *Bam*HI
oNK-869	ATATGCGGCCGCACACCAGGACTGACTCTGAGTATG	3’ ge-Af*ricA* with *Not*I
oNK-594	TGAGATCCCAGGGTAATATGTCTG	5’ Af*brlA* probe
oNK-595	TACTCATCCCATTCCATACTGATC	3’ Af*brlA* probe
oHS-382	AATTGTCGACTCATGGCTACTGACTGGCAGCCC	5’ Af*abaA* probe
oHS-383	AATT GCGGCCGC TCATTGGACCGCCTCAGTTGC	3’ Af*abaA* probe
oTL-7	ATATGGTACCATGTTCGCTCAACCATTCGATC	5’ Af*wetA* probe
oTL-8	ATATGCGGCCGCGCAGAGGACAGCCTCCAGTGCTTC	3’ Af*wetA* probe